



Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

#3  
7/14/03

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/075,434	
	Filing Date	02/14/02	
	First Named Inventor	Laiho	
	Group Art Unit	2681	
	Examiner Name	TBD	
Total Number of Pages in This Submission		Attorney Docket Number	004770.00041

RECEIVED  
MAY 01 2003  
Technology Center 2600

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <b>PTO 1449 Forms (2) 27 references</b>
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Ross A. Dannenberg, Reg. No. 49,024
Signature	
Date	April 30, 2003

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: <input type="text"/>			
Typed or printed name			
Signature		Date	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be send to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

It is respectfully requested that the Examiner fully consider each of the documents, initial the enclosed PTO-1449 forms in the appropriate place to indicate that the document has been considered, and return a copy of the initialed forms to the undersigned in accordance with MPEP Section 609.

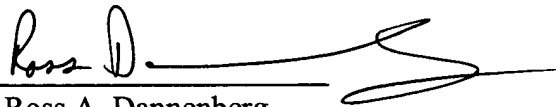
Supplemental Information Disclosure Statement  
10/075,434

The accompanying Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits. No certification or fee is required. However, in the event a fee is due, please charge Deposit Account No. 19-0733. Further, the Commissioner is authorized to charge any additional fees that may be required or credit any overpayment to our Deposit Account No. 19-0733.

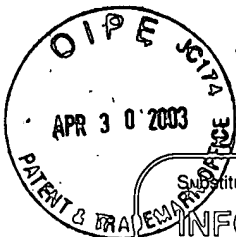
Consideration of the cited information and making the same of record in the prosecution of the above-noted application are respectfully requested.

Respectfully submitted,  
**BANNER & WITCOFF, LTD.**

Date: April 30, 2003

By:   
Ross A. Dannenberg  
Registration No. 49,024

1001 G. Street, N.W.  
Washington, D.C. 20001-4597  
(202) 824-3000



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

## Complete if Known

Application Number	10/075,434
Filing Date	02/14/02
First Named Inventor	Laiho
Group Art Unit	2681
Examiner Name	TBD
Attorney Docket Number	004770.00041

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 2002/0010763 A1	01-24-02	Salo et al.	
		US- 4,449,248	05-15-1984	Leslie et al.	
		US- 5,371,734	12-06-1994	Fischer	
		US- 5,539,925	07-23-1996	Yli-Kotila et al.	
		US- 5,710,756	01-20-1998	Pasternak et al.	
		US- 5,745,860	04-28-1998	Kallin	
		US- 5,883,899	03-16-1999	Dahlman et al.	
		US- 5,886,995	03-23-1999	Arsenault et al.	
		US- 5,995,845	11-30-1999	Lardennois	
		US- 6,175,557	01-16-2001	Diachina eg al.	
		US- 6,226,278	05-01-2001	Bursztenj et al.	
		US- 6,262,982	07-17-2001	Donahue et al.	
		US- 6,262,990	07-17-2001	Ejiri	
		US- 6,282,209	08-28-2001	Kataoka et al.	
		US- 6,295,450	09-25-2001	Lyer	
		US- 6,339,713	01-15-2002	Hansson et al.	
		US- 6,477,382	11-05-2002	Mansfield et al.	

RECEIVED  
MAY 01 2003  
Technology Center 2600

## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		WO 00/67449 A1	11-09-2000	Fabiano et al.		
		WO 02/01879	01-03-2002	Aaltonen et al.		
		WO 02/03728	01-10-2002	Salo et al.		
		WO 02/03729	01-10-2002	Salo et al.		
		WO 01/31963	05-03-2001	Hasan et al.		
		WO 01/72076	09-27-2001	Xu et al.		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B(10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number	10/075,434
Filing Date	02/14/02
First Named Inventor	Laiho
Group Art Unit	2681
Examiner Name	TBD
Attorney Docket Number	004770.0004

**RECEIVED**  
MAY 01 2003  
Technology Center 2600**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Digital Video Broadcasting (DVB); DVB specification for Data Broadcasting, European Broadcasting Union, EN 301 192 V1.2.1 (1999-06)	
		Apostolis K. Salkintzis et al. "Performance Analysis of a Downlink Mac Protocol with Power-Saving Support", IEEE Transactions on Vehicular Technology, Vol. 49, No. 3, May 2000, pages 1029-1040	
		Apostolis K. Salkintzis et al. "An In-Band Power-Saving Protocol for Mobile Data Networks" IEEE Transactions on Communications, Vol. 46, No. 9, Sept. 1998, pgs. 1194-1205.	
		Draft Report of the 52 <sup>nd</sup> Meeting of DVB GBS, EBU Headquarters, Geneva, June 25 <sup>th</sup> /27 <sup>th</sup> 2002. pages 1-12.	

Examiner  
SignatureDate  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.